

UK

Notice of Allowability	Application No.	Applicant(s)	
	10/608,955	CHOI	
	Examiner	Art Unit	
	Davetta W. Goins	2632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview with Applicant on 10 August 2004.
2. ☒ The allowed claim(s) is/are 1,4,5,7,9,11-13 and 15-18.
3. ☒ The drawings filed on 30 June 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sang J. Choi on August 10, 2004.

The application has been amended as follows:

In the Specification, on page 7, line 8, after "(62) is", please insert - a -. After "main", please insert - AC power-.

On page 7, line 18, please delete "(64)" and insert - (68)-.

On page 9, line 6, after "the alarm activator" please insert - (28)-.

On page 9, line 9, after "the timer circuit" please insert - (34)-.

On page 9, line 9, after "The output of" please insert - the alarm activator-.

On page 9, line 16, after "(62) is open, then", please insert - DC-.

On page 9, line 17, after "be installed. The", please insert -DC-.

On page 10, line 2, after "impedance, is connected", please insert -as shown-.

On page 10, line 4, after "the power cord", please insert -(63)-.

On page 10, line 10, after "output of", please insert - the alarm activator-.

On page 10, line 11, before "The outlets (64) and (65)", please insert - A sensor switch which detects the detachment of the alarm apparatus from the electronic device will activate alarming when it senses the separation of the two.-

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On page 10, line 13, after “the input terminal (6) of”, please insert – the alarm activator-.

On page 10, line 18, after “can be accomplished.”, please insert – NAND GATES (27), (28), and (34), and an unused NAND GATES are packaged in on IC chip as a quad 2 inputs NAND GATES chip.-

On page 11, line 8, after “resistors, only one resistor is”, please delete the word “connected” and insert –needed-.

In the Abstract, line 11, after “circuit operation and”, please insert –can be-.

Please change claim 1 accordingly,

1. A burglar alarm apparatus [,] attached to an electronic or electrical device [, activated by unplugging, or shorting, or breaking a power cord connected to the alarm apparatus, or activated by detaching the alarm apparatus from the electronic/electrical device, irrespective of the state of a main AC power switch and/or an electronic device switch, comprises] comprising:
 - a) an alarm circuit and a power cord for plugging into an AC power outlet; said AC power outlet may include an AC power switch;
 - b) said alarm circuit and said power cord connected to said burglar alarm;
 - [b)] c) a DC continuity component connected external of, and electrically in parallel with [the said burglar alarm apparatus across a power outlet;
 - [c)] d) a case for housing said burglar alarm apparatus; and
 - [d)] e) a mounting means for securely attaching said burglar alarm apparatus to said electronic[/] or electrical device wherein said burglar alarm apparatus is activated by unplugging, or shorting,

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or breaking said power cord, or activated by detaching said burglar alarm apparatus from said electronic or electrical device, irrespective of the state of a main AC power switch and/or an electronic device switch.

Please change claim 9 accordingly,

9. A method of activating an alarm apparatus [that is] including the steps of:

a) securely [attached] attaching said alarm apparatus to an electronic device ; [by unplugging, or shorting, or breaking a power cord connected to said alarm apparatus, or by detaching the alarm apparatus from the electronic/electrical device, irrespective of the position of a main AC power switch and/or the electronic device switch, comprises:]

b) connecting a power cord to said alarm apparatus and for plugging said power cord into an AC power outlet, said AC power outlet may include a main AC power switch; and

c) connecting a DC continuity component electrically in parallel with[,] and physically external to[, the] said alarm apparatus across a separate power outlet[.] ; whereby, unplugging, shorting, or breaking a power cord connected to said alarm apparatus will cause said activation of said alarm apparatus, irrespective of the position of a main AC power switch and/or of said electronic device switch.

In claim 15, line 1, after “15.”, please insert – (currently amended)-.

In claim 16, line 5, please delete the underline for the word “programmable”.

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2. The following is an examiner's statement of reasons for allowance: Lamont (US Pat. 5,767,771) discloses an electronic theft deterrent system including a plug connected to a device that is to be protected on one end and to an AC outlet at the other end. Upon either moving the plug by disconnecting the plug from the protected device or from the AC outlet will actuate an alarm. McMurtry et al. (US Pat. 4,736,195) discloses a warning of disconnection of an appliance from a power source including rectifier circuits producing DC voltages, the voltage levels are then compared at a voltage comparator, with the reference arm coupled to the noninverting input and the sensing arm coupled to the inverting input. Other references such as Foseide (US Pat. 6,337,633 B1) and Chapman et al. (US Pat. 6,150,940) also disclose anti-theft electrical power cords that monitor removal of the cord from a connected device or from an AC outlet. However, neither of the references listed above nor any prior art of record disclose in their entirety the claimed an alarm circuit and a power cord for plugging into an AC power outlet; said AC power outlet may include an AC power switch; the alarm circuit and said power cord connected to said burglar alarm; a DC continuity component connected external of, and electrically in parallel with the burglar alarm apparatus across a power outlet; and a mounting means for securely attaching said burglar alarm apparatus to said electronic or electrical device wherein said burglar alarm apparatus is activated by unplugging, or shorting, or breaking said power cord, or activated by detaching said burglar alarm apparatus from said electronic or electrical device, irrespective of the state of a main AC power switch and/or an electronic device switch. In this case, the main AC outlet has to be taken into consideration such that even when if a power outage occurs, the alarm device is capable of still providing power to operate the alarm device as well as prevent

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false alarms since a transformer winding provides the necessary continuity for the voltage divider circuit.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davetta W. Goins whose telephone number is 571-272-2957. The examiner can normally be reached on Mon-Fri with every other Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Wu can be reached on 571-272-2964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVETTA W. GOINS
PRIMARY EXAMINER



D.W.G.

September 13, 2004

Davetta W. Goins
Primary Examiner
Art Unit 2632